

## CLAIMS

We claim:

- 5           1. A portable computer device, comprising:  
          a microcomputer having a connector socket for directly  
          connecting a cartridge to the microcomputer;  
          a cartridge having a plurality of connector sockets, at  
          least one of the plurality for connecting the cartridge to the  
10 microcomputer, and at least another one of the plurality for  
          connecting the cartridge to an additional cartridge,  
          wherein the microcomputer can execute instructions on the  
          cartridge and the additional cartridge without having to  
          disconnect the cartridge and the additional cartridge.
2. The device of claim 1, wherein the microcomputer  
          includes at least one additional connector socket for directly  
          connecting an additional cartridge with the microcomputer.
3. The device of claim 1, wherein the cartridge includes  
          another additional connector for directly connecting the  
20 additional cartridge.
4. The device of claim 1, wherein the connector socket of  
25 the cartridge is placed on its side and the additional cartridge  
          when connected is perpendicular to the cartridge.
5. The device of claim 1, wherein the cartridge and the  
          additional cartridge have equal thickness.
6. The device of claim 1, wherein the cartridge and the  
30 additional cartridge have different thickness.

7. The device of claim 1, wherein the cartridge and the additional cartridge have the same dimensions in height, width, and length.

5        8. The device of claim 1, wherein the cartridge and the additional cartridge have different dimensions in any one or more of height, width, and length.

10       9. The device of claim 1, wherein the microcomputer further includes a screen and a keypad with at least control keys.